

# Work Order ID 86647

July-06-12 11:11:26 AM

**\*86647\***

Page 1

Item ID: D2011-101

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: 6" Mirror

Start Date: 7/06/12 Start Qty: 25.00

**\*25\***

Cust Item ID:

Required Date: 7/27/12 Req'd Qty: 25.00

**\*25\***

Customer:

Reference:

Approvals:

Process Plan:

Date: 12074

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D2011

Rev G

100

0.00

**\*100\***

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 17379 Mirror P/N: CHM10601 Possible supplier:  
Auto Parts ExtraMaterial release note required

CA 12/07/09 (50)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

Ensure material certification is attached

12/27/10 (50)

120

QC6- Inspect dimensions to drawing

0.00

**\*120\***

QC

Memo

0.00

Quality Control

DAS 16

17/02/17

158

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 86647

\*86647\*

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July-06-12 11:11:26 AM

Item ID: D2011-101 Accept \*N900040100\* Setup Start \*NS1\*  
Revision ID: Stop \*NS2\*  
Item Name: 6" Mirror  
Start Date: 7/06/12 Start Qty: 25.00 \*25\* Cust Item ID:  
Required Date: 7/27/12 Req'd Qty: 25.00 \*25\* Customer:  
Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start \*NR1\*  
QC: Date: SPC (Y/N): Date: Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Small Fab Small Fab	Small Fab Memo 1- Wrap mirror with plastic wrap 2- Discard Hardware & Install new hardware loosely 3- Crimp stud as per Dwg D2011	0.00 0.00				50			12/09/05
140 *140* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo 4- Test assembly to 50lbs pull test after 24 hours	0.00 0.00				50			cents 12/09/07 JB
150 *150* Packaging Packaging	Identify as per dwg & Stock Location: 229 Memo	0.00 0.00				50			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 86647****\*86647\***

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July-06-12 11:11:26 AM

Item ID: D2011-101      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: 6" Mirror  
Start Date: 7/06/12      Start Qty: 25.00      **\*25\***      Cust Item ID:  
Required Date: 7/27/12      Req'd Qty: 25.00      **\*25\***      Customer:  
Reference:

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

12/9/11 JG  
ME  
12-09-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

July-06-12 11:11:25 AM

Page 1

Work Order ID: 86647  
Parent Item: D2011-101  
Parent Item Name: 6" Mirror

Start Date: 7/06/12  
Start Qty: 25.00

Required Date: 7/27/12  
Required Qty: 25.00

Comments: IPP: J04.09.15Added Steps 5-7 KJ/JLM IPP: K05.12.15chg black sikaflex for white EC IPP L 08.11.06 new drawing EC verify: DD IPP: M 08.12.19 Added step 3 KJ Verified by: LL IPP rev N 10.01.13 added wrap per ncr09-118 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN960JD416L Washer	NAS1149D0416J	Purchased	No			110	Each	6.0000	1	25		7/12/09/05	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				FP002		6	M 120910						
				110153		6							
CHM-10601 Mirror 6"		Purchased	No			130	Each	0.0000	1	25		7/12/10	(50)
D2829 Threaded Stud		Manufactured	No			130	Each	12.0000	1	25		7/12/09/05	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				GA		12							
				80316		12							
D3014-1 Locknut		Manufactured	No			130	Each	121.0000	1	25		7/12/09/05	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST023		121							
				18605		22							
				79705		99							

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

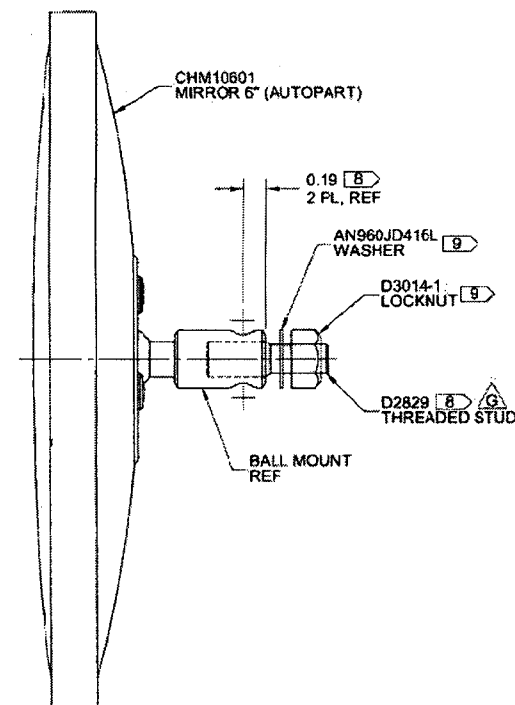
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

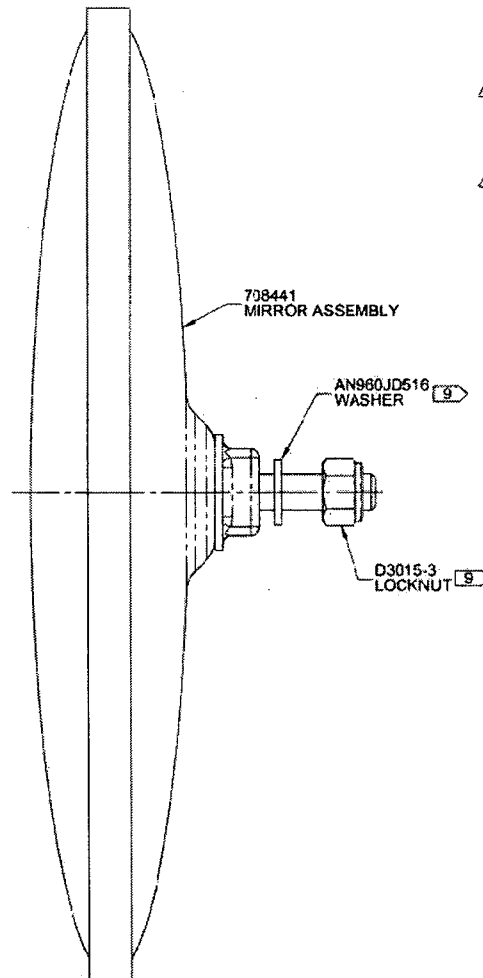
**NOTE:** Date & initial all entries



8 7 6 5 4 3 2 1



**D2011-101 MIRROR ASSEMBLY 6"**



**D2011-103 MIRROR ASSEMBLY 8"**

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10601	MIRROR 6" (AUTOPART)
7		1	708441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER

NO. 86647

012-074 **RELEASED**  
05-10-2010

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: D2011-101 = 0.6 lbs APPROX. ; D2011-103 = 1.0 lbs APPROX.
  - 8) D2829 INSTALLATION PROCEDURE:
    - APPLY LOCKTITE 262 TO  $\phi 5/16$  END OF D2829
    - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE  $\phi 5/16$  END OF D2829 IS WITHIN BALL MOUNT
    - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.13 FROM END AS ILLUSTRATED USING TOOL DT8317
    - CRIMP TO DEPTH OF  $0.040 \pm 0.010$  USING R0.125
  - 9) INSTALL LOOSE

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO "B" SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10601 WERE MIRROR 6" (GROTE) AND P/N 28043 (ZN D3-1). ADDED C2829 (ZN D3-1 AND ZN C6-1). REMOVED DRILLING NOTE, VIEW A-A AND SIKAFLEX APPLICATION NOTE. REASON: GROTE PRODUCT IS DISCONTINUED.	MB	08.10.06
F	ADD HOLES FOR SEALANT ON -101	CP	04.09.10
E	NEW 8" MIRROR	CP	01.05.08
D	NEW 6" MIRROR, ADD NUT, REMOVED STUD	CP	01.04.23
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED STUDS, REDRAWN	RF	99.06.01
B	SIKAFLEX 241 ADDED	JB	98.04.09
A	DWG NO. WAS DSP1011, ADDED -103	JB	90.06.16
-	NEW ISSUE	JB	90.03.31
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JB		
CHECKED	JB	DRAWING NO.	REV. G
MFG. APPR.	JB	D2011	SHEET 1 OF 1
APPROVED	JB	TITLE	SCALE
DE APPR.	JB	MIRROR ASSEMBLY	NTS
DATE	08.10.06	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO17379

Purchase Order Date 7/09/12

PO Print Date 7/09/12

Page Number 1 of 1

Order From :

VC-AUT001

AUTO PARTS EXTRA  
1000 RUE LANSLOWNE  
HAWKESBURY, ON K6A 1H7  
CA

Contact Name

Vendor Phone

613 632 1191

Vendor Fax

613 632 2350

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	CHM-10601	Mirror 6"	7/10/12 Yes	50.00 Each	Yours ppd	\$18.9500	\$947.50

Special Inst: AS PER DWG D2011 REV. G  
B86647  
AUTO PART P/N: CHM-10601

PO Total: \$947.50

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 7/09/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required **YES** NO



**AUTO PARTS • PIÈCES D'AUTO  
TRUCK PARTS • PIÈCES DE CAMION  
ENGINE-MARINE • MOTEUR-MARINE  
PERFORMANCE PARTS • PIÈCES DE PERFORMANCE  
TIRES • PNEUS**



C-07070

Past due accounts bear 2% interest per month (24% per annum). If this account is placed with a 3rd party collection, an administrative cost of 25% will be added. All exchanges and refund claims must be accompanied by this invoice. Electrical parts not returnable. All parts returned are subject to 20% handling charge. All merchandise sold on this invoice remains the vendor's property until this invoice is paid in full.  
TERMS: Payment due on 10th day of the following month.

Aucun remboursement sans cette facture. Net 30 jours, 2% de frais d'intérêt par mois (24% par année) sur compte en souffrance. 20% de frais de manutention sur toute marchandise retournée. Clause pénale une indemnité de 25% sera chargée sur compte sujet à des procédures légales. Les marchandises mentionnées sur cette facture demeurent la propriété du vendeur tant qu'elles ne seront pas entièrement payées. Pièces électriques non-retournable.  
TERMES: Compte payable le 10 du mois suivant.

SIGNATURE

GST / TPS  
10035 3366 RT0001

1000 RUE LANDSDOWNE  
TEL: (613)632-1191

HAWKESBURY ON K6A 1H7  
FAX: (613)632-2350

TVQ  
1016330716 TQ0001

WHEELS SHOULD BE TORQUED AFTER 100KMS. THANK YOU FOR YOUR BUSINESS

113336 (613)632-5200		113336		DATE 7/10/12 08:09 11MLZZZ			
SOMERSET AEROSPACE LTD. 270 ABERDEEN STREET HAWKESBURY ON K6A 1K7		EXP SHIP PIE CER A *** SAME ***		PO 17379			
ORD / COM	SHIP / EXP	CODE	PART No / PIÈCES	DESCRIPTION	LIST EACH / CHACUN	COST / COÛTANT	EXTENSION
50	50	TWD>	CHM10601 twd 97961 SHIP VIA 7/9/12	6 CONV. MIRROR BOV: TWD PIECES/CORE TOT 242	S/	20.75	1037.50
INVOICE No / FACTURE	TYPE / SORTE	TOTAL	DISC / ESC	FRT / TRANS	GST / TPS	PST / TVQ	AMT to PAY / À PAYER
11158418	INVOICE	1037.50	0.00	0.00	134.88	0.00	1172.38

VERSUS BUSINESS FORMS (CORNWALL) (613) 936-1852